|  |  |
| --- | --- |
|  |  |

MANIPRIYA. **P**

|  |  |
| --- | --- |
| Phone (267)571-9178  E-mail manipriya0916@gmail.com |  |

***PROFESSIONAL SUMMARY:***

• Accomplished Linux system/Windows administrator **& Sr. DevOps/Cloud Engineer** with **7 years** of experience managing and involving in server infrastructures, administration of mission critical, high availability environments.  
• Implemented infrastructure on new **AWS** systems and migration of existing Linux and Windows based infrastructure to AWS Cloud platforms using **Terraform,** Cloud Formation Templates.

• Implemented LDAP integration to filter the security for the Prod, Dev and Test environment for Deployment jobs in **Jenkins.**

• Building/Maintaining **Docker** container clusters managed by **Kubernetes.**

• Hands on experience with an in-depth level of understanding in the strategy and practical implementation of AWS cloud-specific technologies including Elastic Compute Cloud(EC2), Simple Storage Services (S3), Route 53, Elastic Bean Stalk, Virtual Private Cloud(VPC), RDS, IAM, &Elastic Load Balance(ELB).  
• Designed and implemented **AWS** infrastructure with **AWS services** such as Elastic Beanstalk and S3 and Deployed code across multiple servers effortlessly.  
• Extensive experience in **Azure** Storage. Managed Blob storage & Table storage with access keys in some of the web application.

• Established infrastructure and service monitoring using **Prometheus and Grafana.**  
• Azure administrator to implement, monitor and maintain **MS Azure** solutions and major services related to compute, network, security, and storage.  
• Good understanding in **Azure** networking, Storage, VM provisioning, RBAC, NSG, Automation, Monitoring AZ Copy, AD, Application Insights, **ARM Templates** automation etc.  
• Proven ability to successfully analyze an organization cloud migration, managing both classic & ARM portal, effectively use Power Shell to manage **Azure services**, troubleshooting access related issues.  
• Planning and Deployment of cloud infrastructure-based telecom products on OpenStack based cloud solution.  
• Used **Jenkins** and pipelines to drive all microservices builds out to the Docker registry and then deployed to **Kubernetes,** Created Pods and managed using **Kubernetes.**  
• Written YAML files and Cloud-init Scripts to deploy the Service Groups on to the OpenStack Cloud.  
• Developed Templates for **AWS** infrastructure as a code using **Terraform** to build staging and production environments.  
• Performed application Deployments & Environment configuration using **Ansible.**  
• Experienced in writing **Chef Recipes** to automate our build/deployment process and do an overall process improvement to any manual processes.  
• Design, deploy and manage a Continuous Integration System which includes automated testing and automated notification of results using technologies like **Ansible, Terraform** and Packer.  
• Working on creation of custom **Docker** container images, tagging and pushing the images.  
• Implementing infrastructure on new **AWS** systems and migration of existing **Linux and Windows** based Infrastructure to AWS and Azure Cloud plat forms and automated using Terraform Templates  
• Built end to end CI/CD Pipelines in **Jenkins** to retrieve code, compile applications, perform tests and push build artifacts to **Nexus.**  
• Experience in branching, tagging and maintaining the version across the environments working on Software Configuration Management **(SCM)** tools like Subversion **(SVN)**and GitHub.  
• Written **Maven** scripts, Shell script for end to end build and deployment automation.  
• Monitoring the project applications/services using **Splunk and Nagios** monitoring tools  
• Good knowledge in monitoring tool **Prometheus** to monitor application servers and services.  
• Implemented features of **ELK** for logging mechanism in an application framework.  
• Implementing DevOps continuous integration (CI) and continuous deploy with Microsoft **VSTS (Azure DevOps)** between the different environments of developer, QA and Production.  
• Managing and administrative Git, monitoring the infrastructure and application with help of **New relic,** CloudWatch.  
• Worked on multiple **SQL DB versions** and provide support to multiple PROD database.  
• Installation, Configuration and Troubleshooting of RedHat Linux 6.x and 7.x Servers on **VMware Platform**.  
• Cultivating **PowerShell** scripts to create multi windows servers with required configuration (memory, RAM, Hard-disk, Network Adapter) and for different purpose like configuring Network connection.  
• Expertise with **Linux and Windows** environments including shell, batch and **PowerShell** scripts.

**Skills**

|  |
| --- |
| * **Operating Systems:** Windows (2008,2012,2016), UNIX, LINUX (RHEL, Cent OS, Ubuntu), OS X. |

|  |
| --- |
| * **Configuration Management:** Chef, Ansible. |

|  |
| --- |
| * **CI/CD Tools:** Jenkins, Bamboo, VSTS (Azure DevOps). |

|  |
| --- |
| * **Cloud Environments:** AWS, AZURE, OpenStack, Google Cloud, IaaS, PaaS, SaaS. |

|  |
| --- |
| * **Infrastructure automation:** Cloud Formation, Terraform |

|  |
| --- |
| * **Version Control Tools:** Git, Subversion SVN, Bitbucket. |

|  |
| --- |
| * **Build tools:** Ant, maven, GRADLE. |

|  |
| --- |
| * **Web servers:** Apache, Tomcat, JBoss, Nginx. |

|  |
| --- |
| * **Monitoring Tools**: Nagios, Splunk, Prometheus, Grafana, New Relic, ELK. |

|  |
| --- |
| * **Containers Tools:** Docker, Kubernetes. |

|  |
| --- |
| * **Networking/protocol:** TCP/IP, NIS, NFS, DNS, DHCP, Cisco Routers/Switches, WAN, SMTP, LAN, FTP/TFTP. |

|  |
| --- |
| * **Java Technologies:** Core Java, Java Server Pages, Servlets, JDBC, Multi-threading, Event Handling. |

|  |
| --- |
| * **Scripting:** Perl, Python, Ruby, Bash shell, PowerShell scripting. |

|  |
| --- |
| * **Virtualization Technologies:** VMWare ESXi, Hyper-V, Power VM, Virtual box, Citrix Xen. |

**Work History**

|  |  |
| --- | --- |
|  | **Sr. Azure Cloud Engineer** 2018-08 – Present  *Amdocs Inc, Philadelphia, PA*   * Worked on **Azure** PAAS services, managed few PAAS services like Web Apps, Azure SQL DB, Service bus, Traffic manager. * Experience in export and import data to and from storage account across **Azure** subscriptions and within same subscription. * Provided consulting and cloud architecture for premier customers and internal projects running on **MS Azure** platform for high availability of services, low operational costs. * Deployed Web app, Web jobs, **Azure DevOps/VSTS** - Azure Pipeline, Build, Release, Storage strategy -Blobs, Create and manage **VM, ARM** templates. * Performed cloud migration, managing both classic & ARM portal, effectively use **Power Shell** to manage **Azure** services, troubleshooting access related issues. * Developed Templates for **AZURE** infrastructure as a code using **Terraform** to build staging and production environments. * Experience in Implementing elastic search clusters on Microsoft Azure using **Terraform** scripts. * Configured and integrated the servers for different environments to automatically provision and configuration management of Linux instances using CM/ Provisioning tool **Chef.** * Built and managed a large deployment of Ubuntu Linux instances systems with **Chef** Automation. * Wrote **CHEF** recipes, tools, shell scripts and monitoring checks. * Experienced with Automating and improving infrastructure, using Open Source tool **(Ansible)** for configuration management, infrastructure deployment and orchestration. * Wrote platform specific scripts and used **Ansible** to execute these scripts on the environment in which discovery must be performed. * Performed troubleshooting in **Kubernetes and Docker** containers and Docker compose. * Responsible for managing the **Docker** private registry. * Experience in implementing and managing Docker-based infrastructure using **Kubernetes.** * Container management using Docker by writing Docker files and set up the automated build on Docker HUB and installed and configured **Kubernetes.** * Worked on Continuous integration and continuous delivery pipeline using **Jenkins** for building the artifacts and Octopus for the deploying the build artifacts. * Completed User Stories following Agile methodology using Scrum and familiarized with the agile project management process in **JIRA.** * Hands on experienced in **Git** for branching, tagging and version management. * Maintain all components of a distributed **SPLUNK** infrastructure including indexer clusters, search head clusters, and deployment servers. * Installation, configuration and deployment of **SPLUNK** and associated apps in clustered and distributed environments. * Experience on Controller maintenance activities as well as auto configuration using **PowerShell.** * Manual Task Automation has been accomplished using scripting language -bash and **PowerShell.** * Worked on deployment of **Java and .Net** based Applications. * Profusely worked on Installation, Configuration and Management of RDBMS and NoSQL tools such as SQL Server MySQL, DB2, PostgreSQL, and MongoDB, DynamoDB& Cassandra. * Worked on Operating systems like Linux, windows and on different Database like Postgres SQL, Oracle. * Install and update the security patches and software updates in **Linux/Unix/Windows servers.** * Installed, configured, and maintained Monitoring Tool and another respective tool on **LINUX** as well as **WINDOW** platform. |

|  |  |
| --- | --- |
|  | **Sr. DevOps/AWS Engineer** 2016-11 - 2018-08  *Comcast - Denver, CO*   * Extensively worked on deployment, data security and troubleshooting of the applications using **AWS** services. * Cognitive about designing, deploying and operating highly available, scalable and fault tolerant systems using Amazon Web Services **(AWS).** * Performed understanding of the strategy and practical implementation on **AWS** cloud-specific technologies including Elastic Compute Cloud (EC2), Simple Storage Services (S3), Route 53, Elastic Bean Stalk, **Virtual Private Cloud (VPC),** RDS, IAM, &Elastic Load Balance (ELB). * Handling EBS and S3 backups, CloudFront setup, SES administration by using SMTP and AWS API's, Cloud watch management, Route 53. * Designed **AWS** Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of web applications and database templates. * Experience with Automation of Production cloud deployments using **Docker, Packer and Terraform.** * Written chef recipes for various applications and deploying them in AWS using **Terraform** and Written several **Chef** cookbooks and recipes to automate the installation of WebLogic domain and JDK installations and have customized recipes from **Chef** supermarket to align with current requirements. * Experience of writing and managing **Chef** Scripts and using Linux automated deployments using **Chef.** * Hands-on experience and good knowledge in playbook creation and automation through **Ansible.** * Experienced in Configuring / implementing / Restoring OS level Backup. * Worked in agile projects delivering end to end CI/CD delivery pipeline by integration of tools like **Jenkins, Ansible, Docker and AWS.** * Utilized **Kubernetes and Docker** for the runtime environment of the CI/CD system to build, test deploy. * Experience on **Kubernetes** during debugging, leading up to production when multiple Application builds must be tested for stability. * Proficient with container systems like **Docker** and container orchestration like Docker Swarm, **Kubernetes.** * Enabled Continuous Delivery into several environments of Test, QA, Stress and Production using **Jenkins.** * Configured Jenkins with GitHub Web hooks to automate the integration and notifying the errors in source code to the developers. * Good experience on Installing and Implementing Logging & Monitoring tools **Prometheus, Grafana.** * Used Git for source code version control and integrated with Jenkins for CI/CD pipeline, code quality tracking and user management with build tool **maven**. * Monitored the servers using **New Relic.** * Configured **Docker** containers for Branching purpose and deployed using Elastic Beanstalk. * Using Cloud watch and **New relic** to monitor our API and Dynamo DB performance. * Created backup scripts in shell and python for **MySQL, MongoDB** for automatic dump storage in **S3.** * Achieved understanding of java-based tool **Maven,** debugged, improved and maintained java applications. * Used **Maven** as a build tool on java projects for the development of build artifacts on the source code. * Worked on tools like Rally (use to update test case and defects), Eclipse IDE, POSTGREs Database, POSTMAN (to check API response) and SOAP UI. * Extensive experience on building, testing, troubleshooting and installations of **Linux servers.** * Responsible for Internal **Windows/Linux server** Infrastructure, Installations, Builds, Configuration, Monitoring and troubleshooting. |

|  |  |
| --- | --- |
|  | **DevOps/Site Reliability Engineer** 2014-12 - 2016-11  *FIRST REBUPLIC BANK, CA.*   * Worked on **AWS** services like EC2, S3, VPC, route53, IAM, CloudFront, ELB, CloudWatch and experience in deploying the application in **AWS** environment. * Provisioning of **Amazon Web Services (AWS)** and good knowledge of **AWS** services like EC2, AMI, S3, Glacier, Elastic Load Balancer (ELB), RDS, SNS, and EBS. * Experience in managing and maintaining IAM policies for organizations in **AWS** to define groups, create users, assign roles and define rules for role-based access to AWS resources. * Written **Ansible** Playbooks with Python SSH as the Wrapper to Manage Configurations of AWS Nodes and Test Playbooks on AWS instances using **Python.** * Run **Ansible** Scripts to provision Dev servers. * Builds automated deployments using configuration management technology (Ansible, Python, Bash, Groovy -Jenkins Pipelines). * Automated **AWS** deployment using Cloud Formation and **Chef.** * Coordinate/assist developers with establishing and applying appropriate branching, merging conventions using **Bitbucket** source control. * Developing scripts for build, deployment, maintenance and related tasks using **Jenkins, Maven,** batch and Bash. * Worked with the configured and maintained **Jenkins** to implement the **CI** process and integrated the tool with **maven** to schedule the builds. * Installed, Configured, and Managed **Nagios** for Resource Monitoring/ Network Monitoring. * Implemented the use of **Nagios tool** and keynote for monitoring and analyzing the network loads on the individual machines by enforcing custom **Nagios** monitoring, notifications and dashboard to exhibit various metrics using **Shell** Scripting and add-ons. * Worked on developing and maintaining build, deployment scripts for test, Staging and Production environments using Shell and **Python.** * Writing **Python** scripts for easily automation of manual existing process and mainly in building dynamic inventory files in **ansible.** * Manual Task Automation has been accomplished using scripting language -bash and **PowerShell.** * Expertise with **Linux and Windows** environments including shell, batch and **PowerShell** scripts. * Performed Installing, Configuring, Managing, Monitoring and troubleshooting **SQL** servers. * Responsible for Building and configuring **Red Hat** Enterprise Linux systems over the network, implementing automated tasks through crontab, resolving tickets according to the priority basis. * Install and update the security patches and software updates in **Linux/Unix/Windows servers**. |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Build and Release Engineer** 2013-05 - 2014-12  *AXIS Bank Pvt Limited - Hyderabad India* Work closely with our Product Management, Development, and **QA team** in a continuous delivery environment.Worked on various tools supporting **SCM & Release Management** including Source Control, Continuous Integration, Artifact Management and Change Management.Assist developing a platform that provides support to development, quality, product, and operation teams' continuous integration environment.Used groove scripts for **CI/CD** pipeline builds, and actively involved in the entire pipeline setups and **Jenkins** configurations.  * Hands on experience in installing and administrating tools like **Jenkins,** Artifactory. * Worked and supported on several **Java** applications migrations to **Jenkins** Pipeline. * Setting up continuous delivery framework using **Jenkins, Maven.** * Worked on build and deployment automations through **Jenkins, GIT.** * Developed my experience including Build/Release support and Change/Incident Management support. * Worked on Monitoring tools like **Nagios**, Installation and configuration on **Ubuntu** Linux server. * Maintained build related scripts developed in **ANT,** shell and **WLST/Python.** * Converted old builds using MAKE to **ANT** and XML for doing **Java** build. * Installing, configuring and supporting JBOSS Application server 5.1 and 6.0 on Red Hat Enterprise Linux platforms **(RHEL 5 and RHEL 6).**  |  |  | | --- | --- | |  | **Linux Administrator** 2012-05 - 2013-05  *Newgen Software Technologies Ltd, Chennai, India*   * Used **Nagios** as IT infrastructure monitoring tool for monitoring host resources such as processor   load, disk usage, system logs, monitoring applications, services, and network protocols.   * Installed and configured **Nagios** tool, for monitoring network services and host resources. * Used **Nagios** as a monitoring tool to identify and resolve infrastructure problems before they affect critical processes. * Responsible for writing/modifying scripts using Bash, Shell, SSH for day-to- day administration. * As a **UNIX** system administrator maintained various servers and gave production Support of various applications in **Red Hat** Enterprise Linux, and Windows environment. * Scheduling the jobs by creating **crontabs, Cronjobs** on **Linux** servers. * Kickstart server and updating, applying patches to the servers using **RedHat** Satellite server. * Involved in helping others **Linux** Administrators to deployed **Splunk** in a **Linux and windows** environment. * Modified Kernel parameters to improve the server performance in **Linux.** * Creating disk groups, creating volumes, volume groups and RAIDs using **LVM (Logical Volume Manager) on Linux.** * Scripting done in administrative and management tasks using shell, **Bash, Python** for automated administrative jobs and experience on **Bourne, Ruby, Perl and C-shell.** * Database administration of **MySQL, Oracle** or equivalent Data Base programs. | |